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**1** [Computer graphics teaching support using X3D: extensible 3D graph authors](#)

Don Brutman

 December 2008 **SIGGRAPH Asia '08: SIGGRAPH ASIA 2008 courses**
**Publisher:** ACM [Request Permissions](#)

 Full text available: Pdf (14.26 MB) [Additional Information: full citation, abstract, referen](#)
**Bibliometrics:** Downloads (6 Weeks): 18, Downloads (12 Months): 91, Citation

X3D is the ISO-standard scene-graph language for interactive 3D graph new course is available for teaching the fundamentals of 3D graphics us (X3D). Resources include a detailed textbook, an authoring tool, hundre

**Keywords:** 2D and 3D modeling, interactive techniques, scene graphs, web graphics

**2** [Fast detection of communication patterns in distributed executions](#)

Thomas Kunz, Michiel F. H. Seuren

 November 1997 **CASCON '97: Proceedings of the 1997 conference of the C Advanced Studies on Collaborative research**
**Publisher:** IBM Press

 Full text available: Pdf (4.21 MB) [Additional Information: full citation, abstract, referen](#)
**Bibliometrics:** Downloads (6 Weeks): 22, Downloads (12 Months): 386, Citati

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**3** [Citrus: a language and toolkit for simplifying the creation of structure code and data](#)

Andrew J. Ko, Brad A. Myers

 October 2005 **UI ST '05: Proceedings of the 18th annual ACM symposium on software and technology**
**Publisher:** ACM [Request Permissions](#)


 Full text available: Pdf (1.37 MB) [Additional Information: full citation, abstract, referen](#)  
 terms

**Bibliometrics:** Downloads (6 Weeks): 4, Downloads (12 Months): 25, Citation

Direct-manipulation editors for structured data are increasingly common. If editors can greatly simplify the creation of structured data, there are fewer editors to create the editors themselves. This paper presents Citrus, a new

**Keywords:** interface builder, structured editing, toolkit

#### 4 [Tribe: a simple virtual class calculus](#)

 Dave Clarke, Sophia Drossopoulou, James Noble, Tobias Wrigstad  
March 2007 **AOSD '07**: Proceedings of the 6th international conference on software development

**Publisher:** ACM  [Request Permissions](#)

Full text available:  Pdf (277.53 KB) Additional Information: [full citation](#), [abstract](#), [references](#)

**Bibliometrics:** Downloads (6 Weeks): 2, Downloads (12 Months): 47, Citation


Beginning with BETA, a range of programming language mechanisms such as classes (class-valued attributes of objects) have been developed to allow the presence of mutually dependent classes. This paper presents Tribe,

**Keywords:** subtyping, virtual classes

#### 5 [Integrated information management: an interactive, extensible architecture for information retrieval](#)

Eric Nyberg, Hal Daume  
March 2001 **HLT '01**: Proceedings of the first international conference on Human-Computer technology research


**Publisher:** Association for Computational Linguistics

Full text available:  Pdf (176.05 KB) Additional Information: [full citation](#), [abstract](#), [references](#)

**Bibliometrics:** Downloads (6 Weeks): 0, Downloads (12 Months): 7, Citation C

Most current IR research is focused on specific technologies, such as filter classification, entity extraction, question answering, etc. There is relatively little work on merging multiple technologies into sophisticated applications, due in

#### 6 [Correctness of a gossip based membership protocol](#)

 André Aliavena, Alan Demers, John E. Hopcroft  
July 2005 **PODC '05**: Proceedings of the twenty-fourth annual ACM symposium on distributed computing


**Publisher:** ACM  [Request Permissions](#)

Full text available:  Pdf (202.50 KB) Additional Information: [full citation](#), [references](#), [citations](#)



**Bibliometrics:** Downloads (6 Weeks): 19, Downloads (12 Months): 157, Citation

**Keywords:** epidemic, gossip, group communication, membership, peer-to-peer, probabilistic multi-cast, random graphs, reliability, scalability

#### 7 [A programming model for active documents](#)

 Paul Dourish, W. Keith Edwards, Jon Howell, Anthony LaMarca, John Lamping, Michael Salisbury, Doug Terry, Jim Thornton  
November 2000 **UIST '00**: Proceedings of the 13th annual ACM symposium on user interface software technology



software and technology

**Publisher:** ACM  [Request Permissions](#)Full text available:  Pdf (115.49 KB) **Additional Information:** [full citation](#), [references](#), [cite](#)**Bibliometrics:** Downloads (6 Weeks): 6, Downloads (12 Months): 42, Citation**Keywords:** active properties, component software, customization, document management**8** [Subtext: uncovering the simplicity of programming](#) [Jonathan Edwards](#)October 2005 **OOPSLA '05:** Proceedings of the 20th annual ACM SIGPLAN Conference on Object-oriented programming, systems, languages, and applications**Publisher:** ACM  [Request Permissions](#)Full text available:  Pdf (293.12 KB) **Additional Information:** [full citation](#), [abstract](#), [reference terms](#)**Bibliometrics:** Downloads (6 Weeks): 12, Downloads (12 Months): 96, Citation

Representing programs as text strings makes programming harder than source text of a program is far removed from its behavior. Bridging this what makes programming so inhumanly difficult -- we are not compilers

**Keywords:** copying, non-textual programming, prototypes, visual programming

Also published in:

October 2005 **SIGPLAN Notices** Volume 40 Issue 10**9** [Jazz: an extensible zoomable user interface graphics toolkit in Java](#) [Benjamin B. Bederson](#), [Jon Meyer](#), [Lance Good](#)November 2000 **UIST '00:** Proceedings of the 13th annual ACM symposium on User interface software and technology**Publisher:** ACM  [Request Permissions](#)Full text available:  Pdf (137.37 KB) **Additional Information:** [full citation](#), [references](#), [cite](#)**Bibliometrics:** Downloads (6 Weeks): 15, Downloads (12 Months): 222, Citation**Keywords:** Jazz, Java, animation, graphics, user interface management (UIMS), zoomable user interfaces (ZUIs)**10** [Exporting and interactively querying Web service-accessed sources: The CLIDE System](#) [Michalis Petropoulos](#), [Alin Deutsch](#), [Yannis Papakonstantinou](#), [Yannis Katsis](#)  
November 2007 **Transactions on Database Systems (TODS)**, Volume 32 Issue 4**Publisher:** ACM  [Request Permissions](#)Full text available:  Pdf (1.80 MB) **Additional Information:** [full citation](#), [abstract](#), [reference](#)**Bibliometrics:** Downloads (6 Weeks): 6, Downloads (12 Months): 91, Citation

The CLIDE System assists the owners of sources that participate in Web data publishing systems to publish a restricted set of parameterized query schema of their sources and package them as WSDL services. The source relational ...

**Keywords:** Middleware, Web services, limited access patterns, query re

# 11 Anticipatory Planning Support System

John R. Surdu, John M. D. Hill, Udo W. Pösch

December 2000 **WSC '00**: Proceedings of the 32nd conference on Winter sim

**Publisher:** Society for Computer Simulation International

Full text available:  Pdf (215.81 KB) **Additional Information:** full citation, abstract, referen

**Bibliometrics:** Downloads (6 Weeks): 1, Downloads (12 Months): 22, Citation

A new approach to military planning and execution has been proposed. seeks to merge planning and execution, and replaces reaction to events of events. This paper presents a methodology for building an automater

# 12 Development of XML-based tools to support user interaction with alg visualization

Thomas Naps, Guido Rößling, Peter Brusilovsky, John English, Duane Jarc, Charles Leska, Myles McNally, Andrés Moreno, Rockford J. Ross, Jaime Urq  
December 2005 **SI GCSE Bulletin** , Volume 37 Issue 4

**Publisher:** ACM

Full text available:  Pdf (421.21 KB) **Additional Information:** full citation, abstract, referen

**Bibliometrics:** Downloads (6 Weeks): 7, Downloads (12 Months): 50, Citation

As a report of a working group at ITICSE 2005, this paper represents a of XML specifications and tools in algorithm visualization, particularly wi supporting user interaction. A detailed description is given of how an int


**Keywords:** XML, animation, pedagogy, visualization

# 13 Graphical notations, narratives and persuasion: a Pliant Systems ap Hypertext Tool Design

Luke Emmet, George Cleland

June 2002 **HYPERTEXT '02**: Proceedings of the thirteenth ACM conference hypermedia

**Publisher:** ACM 


Full text available:  Pdf (356.79 KB) **Additional Information:** full citation, abstract, referen  
terms

**Bibliometrics:** Downloads (6 Weeks): 1, Downloads (12 Months): 34, Citation

The Adelard Safety Case Editor (ASCE) is a hypertext tool for constructi structured arguments. ASCE is used in the safety industry, and can be t other contexts when graphical presentation can make argument structu

**Keywords:** field experience, graphical notation, hypertext argumentati systems, safety cases, safety related systems, technology adoption, use

# 14 Real-time shading

 Marc Olano, Kurt Akeley, John C. Hart, Wolfgang Heidrich, Michael McCool, Randi Rost

August 2004 **SIGGRAPH '04**: SIGGRAPH 2004 Course Notes


**Publisher:** ACM  [Request Permissions](#)

Full text available:  [Pdf](#) (7.39 MB) [Additional Information: full citation, abstract, cited b](#)

**Bibliometrics:** Downloads (6 Weeks): 42, Downloads (12 Months): 630, Citati

Real-time procedural shading was once seen as a distant dream. When this course was offered four years ago, real-time shading was possible, of-a-kind hardware or by combining the effects of tens to hundreds of r

#### 15 [The elements of nature: interactive and realistic techniques](#)

 Oliver Deussen, David S. Ebert, Ron Fedkiw, F. Kenton Musgrave, Przemysli Doug Roble, Jos Stam, Jerry Tessendorf

August 2004 **SIGGRAPH '04**: SIGGRAPH 2004 Course Notes

**Publisher:** ACM  [Request Permissions](#)

Full text available:  [Pdf](#) (17.65 MB) [Additional Information: full citation, abstract, cited b](#)

**Bibliometrics:** Downloads (6 Weeks): 144, Downloads (12 Months): 1425, Citi

This updated course on simulating natural phenomena will cover the lat production techniques for simulating most of the elements of nature. Th provide movie production, interactive simulation, and research perspect

#### 16 [OviVis: visualization of peer-to-peer networks in simulation and testb](#)

 Konrad Jünemann, Jochen Dinger

April 2008 **CNS '08**: Proceedings of the 11th communications and networki symposium

**Publisher:** ACM

Full text available:  [Pdf](#) (257.80 KB) [Additional Information: full citation, abstract, refere](#)

**Bibliometrics:** Downloads (6 Weeks): 7, Downloads (12 Months): 57, Citation

Peer-to-Peer (P2P) networks are realized as overlay networks and hence between arbitrary P2P nodes can exist. In addition, P2P networks dynan changes in the environment in order to be scalable and robust. Thus, ne topologies ...


**Keywords:** network visualization, peer-to-peer

#### 17 [A focus+context technique based on hyperbolic geometry for visualiz hierarchies](#)

John Lamping, Ramana Rao, Peter Pirolli


May 1995 **CHI '95**: Proceedings of the SIGCHI conference on Human facto systems

**Publisher:** ACM Press/Addison-Wesley Publishing Co.

Full text available:  [Html](#) (38.68 KB) [Additional Information: full citation, references, cite](#)

**Bibliometrics:** Downloads (6 Weeks): 16, Downloads (12 Months): 219, Citati

#### 18 [InAuthoring environment: interfaces for creating spatial stories and g](#)

 Filipe Barreño, Teresa Romão, Tiago Martins, Nuno Correia

June 2006 **ACE '06**: Proceedings of the 2006 ACM SIGCHI international cor Advances in computer entertainment technology

**Publisher:** ACMFull text available:  Pdf (424.83 KB) Additional Information: [full citation](#), [abstract](#), [referer](#)**Bibliometrics:** Downloads (6 Weeks): 4, Downloads (12 Months): 59, Citation

This paper focuses on the design and development of an authoring environment InStory project. InStory is a platform for mobile storytelling, gaming and information access. It focuses on the exploration of cultural and historic

**Keywords:** hypermedia, interactive storytelling, location based system multimedia, spatial stories and games, storyboard authoring, visual inte

## 19 [Authoring transformations by direct manipulation for adaptable multi presentations](#)



Lionel Villard

November 2001 **DocEng '01**: Proceedings of the 2001 ACM Symposium on engineering**Publisher:** ACM  Request PermissionsFull text available:  Pdf (3.00 MB) Additional Information: [full citation](#), [abstract](#), [referer](#)**Bibliometrics:** Downloads (6 Weeks): 2, Downloads (12 Months): 33, Citation

In this paper, we present a method for authoring generic and adaptable presentations. This method relies on document transformations. For the available tools, designing the XML content and the transformation sheet and ...

**Keywords:** XML, XSLT, authoring tools, document model, incremental multimedia

## 20 [An integrated object model for activity network based simulation](#)





Gert Zülich, Jörg Fischer, Uwe Jonsson

December 2000 **WSC '00**: Proceedings of the 32nd conference on Winter simulation**Publisher:** Society for Computer Simulation InternationalFull text available:  Pdf (398.55 KB) Additional Information: [full citation](#), [abstract](#), [referer](#)**Bibliometrics:** Downloads (6 Weeks): 0, Downloads (12 Months): 24, Citation

This paper describes an object-orientated simulation approach towards planning of production systems. The main obstacle for an integrated use over different planning areas and stages are the different views on a pr

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